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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,613	07/31/2002	Hsu-Pin Kao	8860-US-PA	6858

31561 7590 03/22/2005

JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE
7 FLOOR-1, NO. 100
ROOSEVELT ROAD, SECTION 2
TAIPEI, 100
TAIWAN

EXAMINER

LEWIS, DAVID LEE

ART UNIT	PAPER NUMBER
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2673

DATE MAILED: 03/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/064,613

Applicant(s)

KAO ET AL.

Examiner

David L Lewis

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2004.
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4,6-10,12 and 13 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☒ Claim(s) 2,3,8,10 and 13 is/are allowed.
6) ☒ Claim(s) 1,4,6,7,9 and 12 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. **Claims 1, 4, 6, 7, 9, and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Morita et al. (2002/0135595).**
2. **As in claim 1, Morita et al. teaches of a color adjustment device for a plasma display panel, figure 11 item 2b, paragraph 198-203, comprising: a look up table, wherein the look up table stores a plurality of gray scale data, figure 11 item 21a, selects a data from the plurality of gray scale data according to a received gray scale input value, then outputs the selected gray scale data, figure 11 item 21a, paragraph 198-199, and an error diffusion circuit, receiving the gray scale data output from the look up table to perform an error adjustment, figure 11 item 22, paragraph 201. Wherein input signals VD are added to by error information according to converted grayscale information from gray level conversion table 21a, said table corresponding to said look up table.**

3. **As in claim 4, Morita et al. teaches of a color adjustment method for a plasma display panel, figure 11 item 2b, paragraph 198-203, comprising the steps of: receiving a gray scale input value that is within a first range, paragraph 199; converting the gray scale input value into a gray scale data that is greater than the gray scale input value, moreover the gray scale data is within a second range, paragraph 199; and displaying the gray scale data as a brightness that is within a third range by using an error diffusion method, figure 11 item 22, wherein the number of integers in the third range is less than the number of integers in the second range, figure 17 gray level 16.**
4. As in claim 6, Morita et al. teaches of, wherein the step of converting the gray scale input value into the gray scale data further comprises: providing a look up table, figure 11 item 21a, querying the gray scale data that corresponds to the gray scale input value from the look up table, paragraph 199 and 254.
5. As in claim 7, Morita et al. teaches of, wherein a maximum integer of the third range is an integer portion of a quotient from a maximum integer of the second range divided by a predetermined value, figure 17 grey level 16, paragraphs 218-221.
6. **As in claim 9, Morita et al. teaches of a color adjustment method for a plasma display panel, comprising the steps of: receiving a gray scale input value that is**

an integer, **paragraphs 199 and 254**; converting the gray scale input value into a corresponding gray scale data, **figure 11 item 21a**; and adjusting a brightness display according to the gray scale data, **paragraph 199 and 254**; wherein, the gray scale input: value has a one--to-one corresponding relationship to the gray scale data, **paragraph 199 and 254**, moreover if a range that gray scale data appears in comprises N integers and a brightness range to be adjusted comprises M integers, then $N > M$, column 11 lines 45-67, **figure 17 grey level 16**.

7. As in claim 12, **Morita et al.** teaches of, wherein the gray scale data is obtained from a query to a look up table according to the gray scale input value, paragraph 199 and 254.

Response to Arguments

8. Applicant's arguments with respect to claims 1, 4, 6, 7, 9, and 12 have been considered but are moot in view of the new ground(s) of rejection. See the above rejection over Morita et al.

Allowable Subject Matter

9. Claims 2, 3, 8, 10, and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. **Wherein** the specific limitations of said error diffusion circuit, figure 1 item 120, comprising said adding, multiplying, subtracting, and dividing of gray scale data is not found in the prior art of record in any combination including the other limitation of the claims.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. 2003/0038953, 2002/0015010.
11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **David L. Lewis** whose telephone number is **(703) 306-3026**. The examiner can normally be reached on MT and THF from 8 to 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala, can be reached on (703) 305-4938. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231


or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

March 17, 2005


BIPIN SHALWALA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600